

Appl. No.: 10/723,803
Amdt. Dated: 07/19/2007
Off. Act. Dated: 04/24/2007

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended): An apparatus for controlling power consumption of an electroluminescent display, comprising:
 - a processor configured for controlling the operation of an electroluminescent display;
 - a memory for said processor, said memory configured for storing color data for each of a plurality of display pixels;
 - a plurality of normal mode colors retained in said memory ~~to which selected of said display pixels may be driven~~;
 - a plurality of power-saving mode colors retained in said memory ~~to which selected of said display pixels may be driven~~, each said power-saving mode color corresponding to one or more of said normal mode colors;
 - a user interface configured for user selection of power-saving mode colors corresponding to said normal mode colors, said power-saving mode colors selected for consuming less display power on said electroluminescent display than corresponding colors within the normal mode colors; and
 - programming retained in said memory and executable on said processor for determining whether apparatus is in normal mode or a power saving mode; and
 - outputting color data for each display pixel, within said plurality of display pixels, from said normal mode colors when said apparatus is in normal mode, or from said power-saving mode colors when said apparatus is in power-saving mode.

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2. (previously presented): An apparatus as recited in claim 1:
wherein said programming is configured for reversing the output color of display pixels for a normal mode color in response to entering power saving mode, when no corresponding power-saving mode color has been assigned to that given normal mode color.
3. (previously presented): An apparatus as recited in claim 1, wherein said normal mode colors correspond to particular graphic objects configured for being displayed on said display.
4. (previously presented): An apparatus as recited in claim 1, further comprising a power saving indicator configured to appear on the display, the power saving indicator showing the reduction in energy consumed by the display when in the power saving display mode.
5. (currently amended): An apparatus as recited in claim 1, wherein said normal mode colors and said power-saving mode colors retained in said memory to which each said display pixel may be driven comprise intensity values for each of multiple color components.
6. (currently amended): An apparatus as recited in claim 1, wherein said normal mode colors and said power-saving mode colors retained in said memory to which each said display pixel may be driven are defined by hue, saturation and luminance components.
7. (previously presented): An apparatus as recited in claim 1, wherein the display comprises an organic electroluminescent display.

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8. (cancelled)

9. (currently amended): A method ~~as recited in claim 8, for conserving power in a controller for an electroluminescent display, comprising:~~

providing a plurality of normal mode colors for output on said display;

providing a plurality of power saving mode colors for output on said display;

assigning a selected color for each power saving mode color corresponding to one or more normal mode colors; and

switching each normal mode color having an assigned power saving mode color to the assigned power saving mode color, in response to entering a power saving mode;

wherein assigning each power saving mode color comprises interfacing with a user to assign each power saving mode color to one or more normal mode colors.

10. (currently amended): A method ~~as recited in claim 8, further for conserving power in a controller for an electroluminescent display, comprising~~

providing a plurality of normal mode colors for output on said display;

providing a plurality of power saving mode colors for output on said display;

assigning a selected color for each power saving mode color corresponding to one or more normal mode colors;

switching each normal mode color having an assigned power saving mode color to the assigned power saving mode color, in response to entering a power saving mode; and

reversing a normal mode color not having an assigned power saving mode color.

Claims 11-14 (cancelled)

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15. (currently amended): An In an improved electroluminescent display controller as recited in claim 14, the improvement comprising:

providing a plurality of normal mode colors for controller output to a display; and
providing a plurality of power saving mode colors for controller output to the
display;

assigning a selected color to each of said power saving mode colors
corresponding to one or more of said normal mode colors toward saving display power
when outputting said power saving mode colors instead of said normal mode colors;
and

switching, by said controller, between a normal display mode in which the normal
mode colors are displayed, and a power saving display mode in which the
corresponding power saving mode colors are displayed in place of the normal mode
colors;

wherein said normal mode colors correspond to particular graphic objects configured for being displayed on said display.

16. (currently amended): An In an improved electroluminescent display controller as recited in claim 14, the improvement comprising:

providing a plurality of normal mode colors for controller output to a display; and
providing a plurality of power saving mode colors for controller output to the
display;

assigning a selected color to each of said power saving mode colors
corresponding to one or more of said normal mode colors toward saving display power
when outputting said power saving mode colors instead of said normal mode colors;
and

switching, by said controller, between a normal display mode in which the normal
mode colors are displayed, and a power saving display mode in which the

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corresponding power saving mode colors are displayed in place of the normal mode colors;

wherein a user assigns each power saving mode color to a normal mode color by interfacing with the electroluminescent display controller.

17. (currently amended): ~~An~~ In an improved electroluminescent display controller as recited in claim 14, the improvement comprising:

providing a plurality of normal mode colors for controller output to a display; and
providing a plurality of power saving mode colors for controller output to the
display;

assigning a selected color to each of said power saving mode colors
corresponding to one or more of said normal mode colors toward saving display power
when outputting said power saving mode colors instead of said normal mode colors;
and

switching, by said controller, between a normal display mode in which the normal
mode colors are displayed, and a power saving display mode in which the
corresponding power saving mode colors are displayed in place of the normal mode
colors;

wherein a normal mode color not having an assigned power saving mode color is reversed when the display is operating in the power saving display mode.

Claims 18-21 (cancelled)